We claim:

1. A method for reducing pests in an object or area, said method comprising applying to said object or area a pest reducing effective amount of a compound selected from the group consisting of iodoacetic acid, bromoacetic acid, 2-iodoacetamide, 2-bromoacetamide, and mixtures thereof.

2. The method according to claim 1, wherein said pests are selected from the group consisting of fungi, insects, nematodes, bacteria, weeds, and mixtures thereof.

3. The method according to claim 2, wherein said pests are fungi.

4. The method according to claim 3, wherein said fungi are *Fusarium* spp.

5. The method according to claim 2, wherein said pests are insects.

6. The method according to claim 2, wherein said pests are nematodes.

7. The method according to claim 6, wherein said nematodes are *Meliodogyne* spp.

8. The method according to claim 2, wherein said pests are bacteria.

9. The method according to claim 2, wherein said pests are weeds.

10. The method according to claim 9, wherein said weeds are selected from the group consisting of *Amaranthus hybridus*, *Echinocloa crus-galli*, *Cyperus rotundus*, and mixtures thereof.

11. The method according to claim 1, wherein said object or area is selected from the group consisting of soil, structures, agricultural commodities, plants, and mixtures thereof.

12. The method according to claim 11, wherein said object or area is soil.

13. The method according to claim 12, wherein said pest reducing effective amount is about 40 to about 1200 pounds/acre.

14. The method according to claim 1, wherein said compound is iodoacetic acid.

15. The method according to claim 1, wherein said compound is bromoacetic acid.

16. The method according to claim 1, wherein said compound is 2-iodoacetamide.

17. The method according to claim 1, wherein said compound is 2-bromoacetamide.